Rev 3.06

www.valcom.com/multipath

INTRODUCTION

The Valcom MultiPath™ Communications System is a high-performance microprocessor controlled communications system designed for the needs of large facilities. It combines the features of an electronic telephone system with the capabilities of a sound and program distribution system, and includes emergency all call paging and alarm functions.

The system supports up to four administrative ports for communications between administrators and zones. Each administrative port can be connected to a single line telephone, key system, or PBX as required for unlimited answering positions. The system also includes eight audio paths to simultaneously allow any combination of administrative phone and zone communications, paging, scheduled tones, and distribution of program material.

Each zone is equipped with one or more loudspeakers to receive scheduled tones, program material, such as background music, emergency tones, page announcements and intercom. The system may also be equipped with call in switches, and supports both one-way and talkback speakers and horns to provide audio to production areas, hallways, outside locations, individual offices or classrooms.

Since most features are controlled by software, system configuration is easily changed or upgraded. A Windows® based programming tool is provided for system setup.

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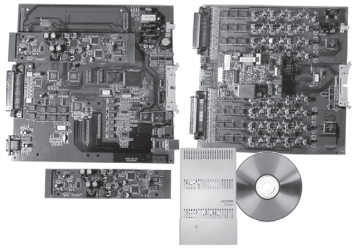
SYSTEM PACKAGES

All Valcom MultiPath™ systems feature a common set of features and benefits regardless of the system size:



- 8 user defined relay outputs
- 6 user defined switch inputs
- 3 auxiliary music inputs
- 1 microphone input
- 1 DB-9 serial port for administration
- 1 Ethernet port for network administration
- Real Time Clock
- 4 telephone interface circuits
- Speaker Outputs (quantity varies from 24 to 360)
- Call Button Input (talkback systems) or Zone Relay Outputs (one way) per zone
- 8 Time Schedules
- Numerous Built In Tones for Alerts

Because of this common feature set, all Valcom MultiPath™ systems, regardless of size, begin with a base "package". Additiional equipment may be added to these base packages to create systems up to 360 zones.

Number Of Zones	One Way Package		Talkback Package	
	Wall Mount	19" Rack Mount	Wall Mount	19" Rack Mount
24	V-PW24	V-PR24	V-TW24	V-TR24
48	V-PW48	V-PR48	V-TW48	V-TR48
72		V-PR72		V-TR72
96		V-PR96		V-TR96

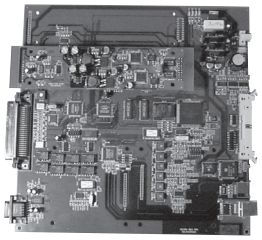
What's In The Base Packages?

	V-CPU4 System CPU Card	V-TCM Talkback Station Card	V-STX One Way Station Card	V-MWRK Wall Rack	V-MCRK 19" Rack Insert	V-MPT Programming Tool/Cable	V-C6124P Power Supply	VC40R-4 Ribbon Cable	VC40R-9T Ribbon Cable
V-PW24	1		1	1		1	1	1	
V-PW48	1		2	1		1	1	1	
V-PR24	1		1		1	1	1	1	
V-PR48	1		2		1	1	1	1	
V-PR72	1		3		1	1	2	1	
V-PR96	1		4		1	1	2		1
V-TW24	1	1		1		1	1	1	
V-TW48	1	2		1		1	1	1	
V-TR24	1	1			1	1	1	1	
V-TR48	1	2			1	1	1	1	
V-TR72	1	3			1	1	2	1	
V-TR96	1	4			1	1	2		1

Note – Our free system configuration software should be used to configure Valcom MultiPath™ systems. (Download from www.valcom.com/multipath)

MAIN EQUIPMENT

V-CPU4 *CPU BOARD -- MAIN COMMON CONTROL BOARD*



- One required per MultiPath System
- Provides internal common control for the system peripheral cards
- Provides an access point for external communication functions
- Supports up to fifteen feature cards and 360 station ports

Other features provided are as follows:

- Includes 2 V-SLC (four telephone access ports)
- System tone generator
- 2 channels of synthesized voice annunciation
- 8 user defined relay outputs
- 6 user defined contact closure inputs
- 3 auxiliary music and program inputs
- 1 microphone input
- 1 DB-9 serial port for programming
- 1 Ethernet Port
- 1 other data port and real time clock for master clock function

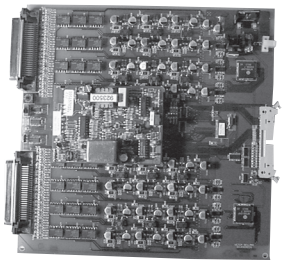
SPECIFICATIONS:
Dimensions: 10.0" (25.40 cm) H x 10.75" (27.31 cm) L x 1.3" (3.30 cm) D
Weight: 0.91 lbs (0.41 kg)

V-SLC *SLIC CARD -- TELEPHONE INTERFACE 2 CIRCUITS*

- Connects directly to the CPU
- Provides 2 telephone interface circuits
- Provides two DTMF detector circuits and ring generator
- Pop suppression and battery feed

SPECIFICATIONS:
Dimensions: 1.85" (4.70 cm) H x 7.75" (19.69 cm) L x .65" (1.65 cm) D
Weight: 0.14 lbs (0.063 kg)

V-TCM*24 POINT TALKBACK INTERCOM EXPANSION CARD*

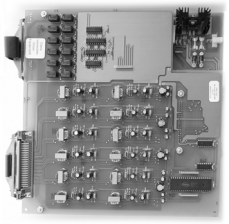


- For use in 45 ohm systems
- Amplifier is built into each station output
- Allows voice and tone annunciation
- 24 switch inputs to facilitate call in switches

SPECIFICATIONS:
Dimensions: 10.0" (25.40 cm) H x 10.75" (27.31 cm) L x 1.0" (2.54 cm) D
Weight: 0.89 lbs (0.40 kg)

MAIN EQUIPMENT

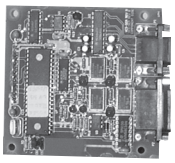
V-STX ***24 POINT ONE-WAY PAGING EXPANSION CARD***



- 24 Line Level Speaker Outputs
- Allows voice and tone annunciation
- Relay Output Per Zone

SPECIFICATIONS:
Dimensions: 10.0” (25.40 cm) H x 10.75” (27.31 cm) L x 1.0” (2.54 cm) D
Weight: 0.89 lbs (0.40 kg)

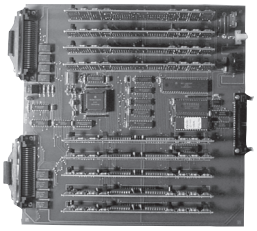
V-SER ***SERIAL (SER) BOARD PROVIDES SMDR OUTPUT***



- Mounts to the CPU
- Provides SMDR Data

SPECIFICATIONS:
Dimensions: 4.0” (10.16 cm) H x 3.6” (9.14 cm) L x 0.6” (1.52 cm) D
Weight: 0.20 lbs (0.09 kg)

V-URI ***UNIVERSAL RELAY INTERFACE***



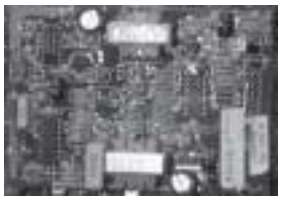
- 8 door unlock or schedule relays
- 72 user defined switch input, ADA, call-in etc.
- 72 user defined drivers

SPECIFICATIONS:
Dimensions: 10.0” (25.40 cm) H x 10.75” (27.31 cm) L x 1.75” (4.45 cm) D
Weight: 1.6 lbs (0.72 kg)

V-MPT ***WINDOWS® PROGRAMMING TOOL***

Software to program all system database information and hardware configurations.

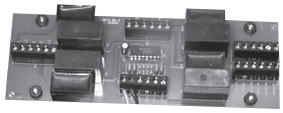
VCHFB *REPLACEMENT 45 OHM HANDSFREE BOARD*



Connects directly to the station card and provides both phone to speaker audio and speaker to phone audio for 45 Ohm speakers when connected to a classroom in talkback mode

SPECIFICATIONS:
Dimensions: 3.0" (7.62 cm) H x 4.75" (12.07 cm) L x 1.0" (2.54 cm) D
Weight: 0.3 lbs (0.14 kg)

V-CLK *CLOCK CONTROL INTERFACE PACKAGE*



- Isolated high voltage contact closures
- 2 separate types of analog clocks
- Digital clocks
- Includes power supply, V-SER and VCCIO Clock Relay Board

SPECIFICATIONS:
Dimensions: 2.4” (6.10 cm) H x7.0” (17.78 cm) L x 1.1” (2.79 cm) D
Weight: 0.5 lbs (0.23 kg)**:**

V-2970 *EMERGENCY/NORMAL CALL SWITCH WITH VOLUME CONTROL*

- Built-in volume control
- Fits a single-gang electrical box
- Black "Call" button for normal call
- Red "Call" button for emergency calls
- Brushed stainless-steel wall plate
- Phantom powered no additional power supply required

SPECIFICATIONS: **Switches**: Single pole, N.O. momentary pushbuttons. "Emergency Call" button electronically generates multiple pulses.
Dimensions: 2.75" (6.99 cm) H x 4.5" (11.43 cm) W x 2.125" (5.4 cm) D.
Weight: 1.0 lb. (0.45 kg).

V-2971 *CALL SWITCH WITH VOLUME CONTROL*

- Built-in volume control
- Fits a single-gang electrical box
- Brushed stainless-steel wall plate
- "Call" button

SPECIFICATIONS: **Switch**: Single pole momentary pushbutton.
Dimensions: 2.75" (6.99 cm) H x 4.5" (11.43 cm) W x 2.125" (5.4 cm) D.
Weight: 1.0 lb (.45 kg).

V-2972PK *CALL SWITCH (purchase in quantities of six)*

- Fits a single-gang electrical box
- Brushed stainless-steel wall plate
- "Call" button

SPECIFICATIONS: **Switch**: Single pole momentary pushbutton.
Dimensions: 2.75" (6.99 cm) H x 4.5" (11.43 cm) W x 2.125" (5.4 cm) D.
Weight: 1.0 lb (.45 kg).

MAIN EQUIPMENT
Accessories

VC4OR-4 *4 POSITION BACK PLANE CABLE*
- Connects up to 4 feature cards
- Provides all audio and data information to feature cards
- For use with the V-MWRK or V-MCRK

VC4OR-8T *8 POSITION BACK PLANE CABLE*
- Connects up to 8 feature cards
- Provides all audio and data information to feature cards
- Includes backplane terminator
- For use with 2 V-MWRK

VC4OR-9T *9 POSITION BACK PLANE CABLE*
- Connects up to 9 feature cards
- Provides all audio and data information to feature cards
- Includes backplane terminator
- For use with the V-MCRK

VC4OR-16T *16 POSITION BACK PLANE CABLE*
- Connects up to 16 feature cards
- Provides all audio and data information to feature cards
- Includes backplane terminator
- For use with 2 V-MCRK

V-MWRK *4 POSITION WALL RACK AND POWER HARNESS*

- Mounts easily to wall
- Provides card slots for up to 4 feature cards/V-CPU4
- Power harness included

SPECIFICATIONS:
Dimensions: 10.5” (26.67 cm) H x 14.25” (26.20 cm) L x 10.5” (26.67 cm) D
Weight: 7.3 lbs (3.29 kg)

V-MCRK *9 POSITION RACK MOUNT AND POWER HARNESS*

- Fits into standard 19” rack
- Provides card slots for up to 9 feature cards/V-CPU4
- Power harness included

SPECIFICATIONS:
Dimensions: 11.76” (29.87 cm) H x 19.12” (48.56 cm) L x 14.0” (35.56 cm) D
Weight: 23.0 lbs (10.35 kg)

MAIN EQUIPMENT
Accessories

V-C6124P *6 AMP WALL MOUNT POWER SUPPLY*

- Powers up to 3 feature cards/V-CPU4
- 6 amp, 24 Vdc
- Filtered, regulated
- Wall mount

SPECIFICATIONS: DC Output: -24 Vdc, 6A; **Power Requirements:** 120 Vac/1.7A, 165 W.
Dimensions: 10.3” (26.16 cm) H x 5.92” (15.03 cm) W x 2.5” (6.35 cm) D.
Weight: 7.1 lbs (3.22 kg).

VP-6124-UPS *BATTERY BACK-UP CHARGER*

Give your VP-6124-P the advantage of UPS!

- Cables included for connection to the V-C6124P and VBB-1424 (Battery Box)
- Wall Mount

Specifications: Charging Voltage 27.6
Volts Current: 900 mA
Dimensions: 10.3" H x 3.5" W x 2.25" D (26.16 cm x 8.89 cm x 5.71 cm)
Shipping Weight: 4.0 lbs (1.82 kg)

VBB-1424 *BATTERY BOX WITH BATTERIES*

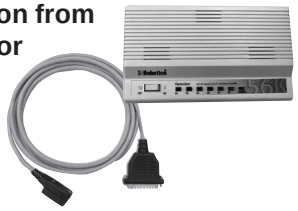
Complete you UPS system with battery support! (For use with V-C6124P/VP-6124-UPS)

- Provides 14 AH/-24V gel cell storage when used with the VP-6124-UPS power system
- Wall Mount

Specifications: 14 AH @ -24 Vdc
Dimensions: 5.52" H x 8.03" W x 10.82" L (14.02 cm x 20.4 cm x 27.48 cm)
Shipping Weight: 40 lbs (18.2 kg)

VCMDM *MODEM KIT AND CABLES*

Allows user to program and change system database information from an off-premise location and also allows user to remotely monitor SMDR activity.



- Modem 33.6k external
- Telephone cable (silver satin with RJ11)
- Interface cable
- Serial interface adapter

Specifications: Dimensions: 1.75” (4.45 cm) H x 6.5” (16.51 cm) L x 3.75” (14.20 cm) D
Weight: 2.5 lbs. (1.13 kg)

V-RDP *AM/FM/CD PROGRAM CONTROL PANEL*

Add music to your intercom/paging system

- 3U rack mounting
- Station preset tuning
- Quality monitor speaker
- LED VU meter

Specifications: Dimensions: 7.0” H x 7.0” W x 2.0” D (17.78 cm x 17.78 cm x5.08 cm)
Weight: 9.6 lbs. (4.32 kg)

MAIN EQUIPMENT
Accessories

V-DSP *LARGE LED DISPLAY PACKAGE*

This large LED display can be mounted in an office area to display all intercom information. Includes a VCROM Display Driver Card an a VCLED large Display.

- Includes brackets for wall or ceiling mounting
- Green displays normal calls
- Red displays emergency calls

SPECIFICATIONS: Character Height: 2". **# of Characters Displayed:** 27.
Power: Utilizes 40 Watt transformer, 115 Vac ± 10%, UL listed power supply (included).
Dimensions: 4.5" (11.43 cm) H x 28.9" (73.41 cm) L x 2.2" (5.59 cm) D.
Weight: 6 lbs. (2.7 kg)

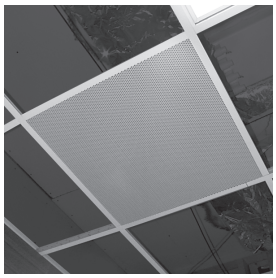
V-PDP *PROGRAM DISTRIBUTION PANEL*

Allows connection of audio source, microphone, and five pushbuttons for various system functions

- Buffers audio signals from radios, cassette players, CD players
- Separate treble, bass and volume controls for 3 audio inputs
- Provides access to the four administration ports
- Provides screw terminals connections to the programmable relays of the CPU
- 25 pair cable provided for connection to CPU
- Speaker included to monitor audio sources
- Front panel XLR connector for microphone input

SPEAKERS & HORNS

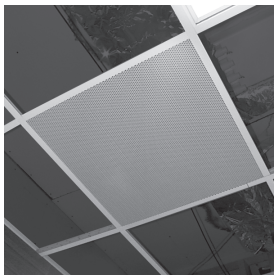
VC-9062 *2' X 2' TALKBACK LAY-IN CEILING SPEAKERS W/BACKBOX*



- Replaces a 2' x 2' tile
- Save time, effort & money — Get on & off the job quickly
- No cutting, tiles, no broken tiles, no mess
- Excellent music & voice quality
- Inconspicuous front accessible volume control
- Volume control built-in
- Durable white acrylic baked enamel finish
- Integral backbox meets or exceeds ASTM E84 flame & smoke test with 3 hour burn rating (UL 181)

SPECIFICATIONS: 45 ohm
Dimensions: 23.75" (60.32 cm) L x 23.75" (60.32 cm) W x 3.75" (9.52 cm) D.
Weight: 5.50 lbs (2.93 kg).

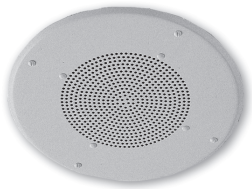
V-CTLA-2 *2' X 2' TALKBACK LAY-IN CEILING SPEAKERS W/BACKBOX*



- Replaces a 2' x 2' tile
- Save time, effort & money — Get on & off the job quickly
- No cutting, tiles, no broken tiles, no mess
- Excellent music & voice quality
- Durable white acrylic baked enamel finish
- Integral backbox meets or exceeds ASTM E84 flame & smoke test with 3 hour burn rating (UL 181)

SPECIFICATIONS: 45 ohm
Dimensions: 23.75" (60.32 cm) L x 23.75" (60.32 cm) W x 3.75" (9.52 cm) D.
Weight: 5.50 lbs (2.93 kg).

VC-1060A *8 INCH TALKBACK CEILING SPEAKER*



- Exceptional for voice and music
- Volume control built-in
- White epoxy finish

SPECIFICATIONS: 8 inch speaker**,** 45 ohm.
Dimensions: 13.0" (33.0 cm) Dia. x 2.5" (6.35 cm) D.
Weight: 3.7 lbs (1.68 kg).

V-936418 *8 INCH TALKBACK CEILING SPEAKER WITHOUT BAFFLE*

- Exceptional for voice and music
- Volume control built-in
- White epoxy finish

SPECIFICATIONS: 8 inch speaker**,** 45 ohm.
Dimensions: 13.0" (33.0 cm) Dia. x 2.5" (6.35 cm) D.
Weight: 3.7 lbs (1.68 kg).

V-C806PK *8 INCH TALKBACK CEILING SPEAKER*

- Exceptional for voice and music
- Volume preset taps
- White epoxy finish

SPECIFICATIONS: 8 inch speaker**,** 45 ohm.
Dimensions: 13.0" (33.0 cm) Dia. x 2.5" (6.35 cm) D.
Weight: 3.7 lbs (1.68 kg).

V-9914M-5 *METAL BRIDGES (packaged in quantities of five)*
V-9915M-5 *METAL BOXBOX (packaged in quantities of five)*
V-9916M *METAL COMBINATION*

- To be used with the V-C806PK

SPEAKERS & HORNS

V-WTGY ***TRADITIONAL TALKBACK WALL SPEAKERS***

- Excellent voice and music quality
- Volume preset taps
- Easy installation

SPECIFICATIONS: 8 inch speaker**,** 45 ohm.
Dimensions: 9.6" (24.38 cm) H x 11.5" (29.21cm) H x 4.2" (10.66 cm) D.
Weight: 4.5 lbs (2.04 kg).

VC-1061 ***TRADITIONAL TALKBACK WALL SPEAKERS***

- Excellent voice and music quality
- Easy installation
- Built-in volume control
- Black (BK), White (W)

SPECIFICATIONS: 8 inch speaker, 45 ohm.
Dimensions: 9.6" (24.38 cm) H x 11.5" (29.21cm) H x 4.2" (10.66 cm) D.
Weight: 4.5 lbs (2.04 kg)

VC-1062A ***TRADITIONAL TALKBACK WALL SPEAKER WOODGRAIN LIGHT BROWN OPEN-WEAVE GRILLE***

- Excellent voice and music quality
- Easy installation
- Built-in volume control - Conveniently located behind contemporary grille

SPECIFICATIONS: 8 inch speaker, 45 ohm.
Dimensions: 10.6" (26.92 cm) H x 9.7" (24.63 cm) W x 5.2" (13.2 cm) D.
Weight: 5.4 lbs (2.45 kg).

VC-1063A ***TRADITIONAL TALKBACK WALL SPEAKER WOODGRAIN DARK BROWN OPEN-WEAVE GRILLE***

- Excellent voice and music quality
- Easy installation
- Built-in volume control - Conveniently located behind contemporary grille

SPECIFICATIONS: 8 inch speaker, 45 ohm.
Dimensions: 10.6" (26.92 cm) H x 9.7" (24.63 cm) W x 5.2" (13.2 cm) D.
Weight: 4.4 lbs (2.00 kg).

VC-1090 ***TALKBACK FLEXHORN™ THE RUGGED SPEAKER***

- Compact design is pefect solution for schools
- Water-proof
- Beige (BG), Gray (GY)

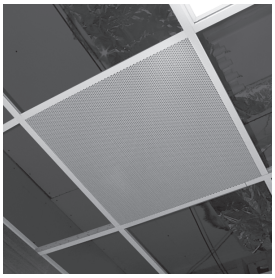
SPECIFICATIONS:Dimensions: 6.8" (17.3 cm) H x 8.3" (21.1 cm) W x 3.3" (8.4 cm) D.
Weight: 2.7 lbs (1.23 kg).

V-9805 ***OPTIONAL STAINLESS STEEL VANDAL-RESISTANT ENCLOSURE FOR USE WITH THE VC-1090***

Provides a virtually indestructible, recess mounted speaker
Non-loosening screws
SPECIFICATIONS:Dimensions: 7.5" (19.05 cm) H x 9.91" (25.17 cm) W x 3.95" (10.03 cm) D.
Weight: 7.5 lbs (3.4 kg).

25 VOLT SPEAKERS/HORNS

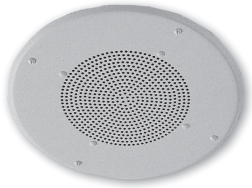
S-522A-2 ***2' x 2" LAY-IN CEILING SPEAKER W/BACKBOX REPLACES A 2' x 2' CEILING TILE***



- Save time, effort & money -- Get on & off the job quickly
- No cutting, tiles, no broken tiles, no mess
- Excellent music & voice quality
- Inconspicuous front accessible volume control
- 25/70 volt transformer
- Durable white acrylic baked enamel finish
- Integral backbox meets or exceeds ASTM E84 Flame & smoke test with 3 hour burn rating (UL 181)

SPECIFICATIONS: 5 watt, 25/70 volt transformer.
Taps: 5, 2.5, 1.25, 0.75 and 0.35 watts.
Dimensions: 23.75" (60.32 cm) L x 23.75" (60.32 cm) W x 3.75" (9.52 cm) D.
Weight: 5.5 lbs (2.93 kg).

S-500/ S-500VC ***GENERAL PURPOSE CEILING SPEAKERS FOR VOICE PAGING AND BACKGROUND MUSIC***



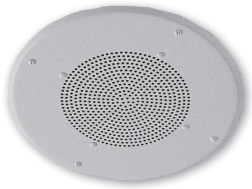
- Scuff, scratch & nick resistant
- Attractive white powder epoxy finish
- Operates on 25 or 70 volt speaker lines
- Volume control with white knob (S-500VC)

SPECIFICATIONS: 5 watt, 8 inch speaker, 5 oz magnet, 25/70 volt transformer.
Taps: 5, 2.5, 1.25, 0.625 and 0.312 watts.
Dimensions: 13.0" (33 cm) Dia. x 3.0" (7.62 cm) D.
Weight: 2.0 lbs (.9 kg).

V-936400 ***25/70 VOLT 8" SPEAKER WITHOUT BAFFLE***

- Excellent voice and music reproduction
- Operates on 25 or 70 volt speaker lines
- 0.312 to 5 watt tap settings

S-750 ***CO-AXIAL CEILING SPEAKER WIDE DYNAMIC RANGE FOR VOICE AND MUSIC REPRODUCTION***



- Attractive white powder epoxy finish
- Scuff, scratch & nick resistant finish
- 8 inch speaker with a 3 inch tweeter
- Operates on 25 and 70 volt speaker lines

SPECIFICATIONS: Speakers: 8" (20.32 cm) Speaker, 3" (7.63 cm) Tweeter. **Transformer Taps**: 8, 4, 2, 1, 0.5 and 0.25 watts.
Dimensions: 13.0" (33 cm) Dia. x 3.0" (7.62 cm) D.
Weight: 2.5 lbs (1.1 kg).

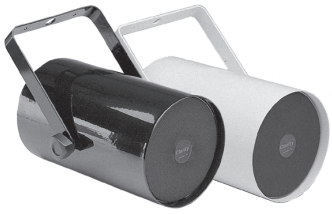
S-520B ***PENDANT SPEAKER FOR AREAS WITH HIGH CEILINGS – SUPERIOR QUALITY BACKGROUND MUSIC AND VOICE PA***

- Low profile contemporary appearance
- Full range high-fidelity 5 inch speaker
- Damping material minimize vibrations
- Available in a high gloss black (BK) or white (W) finish
- Six foot black steel chain included
- Nine position selector switch
- Operates on 25, 70 and 100 volt speaker lines

SPECIFICATIONS: 30 watt, 5 inch speaker, 10 oz magnet, 25/70/100 volt transfo
Taps: 30, 15, 7.5, 3.8 and 1.9 watts.
Dimensions: 10.0" (25.4 cm) W x 6.0" (15.24 cm) Dia.
Weight: 7.0 lbs (3.15 kg).

25 VOLT SPEAKERS/HORNS

S-530B ***FASHIONABLE TRACK STYLE SPEAKER EASY TO INSTALL AND EASY TO AIM***



- Installs on walls or ceilings
- Full range high-fidelity 5 inch speaker
- Damping material minimize vibrations
- Available in white or black high gloss finishes
- Nine position selector switch
- Operates on 25, 70 and 100 volt speaker lines
- Available in Black (BK) and White (W)

SPECIFICATIONS: 20 watt rms 30 watt peak, 5 inch speaker, 10 oz magnet, 25/70/100 volt transformer. **Taps:** 30, 15, 7.5, 3.6 and 1.8 watts.
Dimensions: 10.0" (25.4 cm) W x 6.0" (15.24 cm) Dia. **Weight:** 5.0 lbs (2.27 kg).

S-505/S-505VC ***CLASSIC WALL MONITOR SPEAKER FOR VOICE PAGING & BACKGROUND MUSIC***

- Walnut woodgrain cabinet
- Dark brown cloth grille
- 8 inch speaker
- Operates on 25 or 70 volt speaker lines
- Screwdriver adjustable volume control (S-505VC)

SPECIFICATIONS: 5 watt, 8 inch speaker, 5 oz magnet, 25/70 volt transformer. **Taps:** 5, 2.5, 1.25, 0.625 and 0.312 watts.
Dimensions: 12.0" (30.5 cm) H x 9.75" (24.8 cm) W x 4.0" (10.16 cm) D (at the top); 2.75 (7.11 cm) D (at the base).
Weight: 5.0 lbs (2.3 kg).

S-504 ***METAL WALL SPEAKERFOR BACKGROUND MUSIC & VOICE PAGING***

- Sleek Modern Design
- 8" Speaker
- Gray metal housing (paintable) w/ black cloth grille
- Operates on 25 and 70 volt speaker lines

SPECIFICATIONS: 5 watt, 8 inch speaker, 5 oz magnet, 25/70 volt transformer. **Frequency Response:** 65 Hz to 17 kHz. **SPL:** 95 dB 1 W @ 1 Meter. **Taps:** 5, 2.5, 1.25, 0.625 and 0.312 watts.
Dimensions: 10.13" (25.73 cm) H x 12.31" (31.27 cm) W x 4.63" (11.75 cm) D. **Weight**: 4.25 lbs (1.981 kg).

S-527 ***CONTEMPORARY DESIGNED WALL SPEAKER FOR BACKGROUND MUSIC & VOICE PAGING***

- High density polypropylene enclosure minimizes vibrations
- Light weight and compact
- Built-in hanger for convenient wall mounting
- Available in white (W) and black (BK) with a color coordinated cloth covered grille
- Operates on 25 and 70 volt speaker lines

SPECIFICATIONS: 8 watt, 5 inch speaker, 5 oz magnet, 25/70 volt transformer.
Taps: 8, 4, 2, 1, 0.5 and 0.25 watts. **Maximum Power:** 8 watts.
Dimensions: 6.75" (17.15 cm) H x 10.0" (25.4 cm) W x 4.5" (11.43 cm) D.
Weight: 4.3 lbs (1.91 kg).

S-700 ***MONITOR SPEAKER OFFERS A COMPACT DESIGN AND HIGH-QUALITY SOUND***

- Nine position selector switch behind grille
- Built-in hanger for wall mounting
- Optional mounting bracket (S-BKT) allows precise positioning
- Screw terminal block for secure connections of 18 to 24 gauge wires
- Available in white and black
- Removable color coordinated cloth covered grille
- Operates on 8 ohm, 25, 70 and 100 volt speaker lines

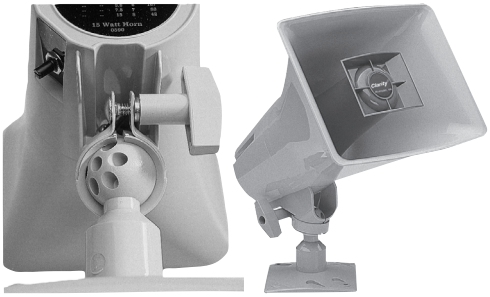
SPECIFICATIONS: 30 watt, 5 inch speaker, 10 oz magnet, 25/70/100 volt transformer. **Taps:** 8 ohm, 30, 15, 7.5, 3.6 and 1.8 watts. **Maximum Power:** 30 watts.
Dimensions: 10.0" (25.4 cm) W x 6.75" (17.15 cm) H x 4.5" (11.43 cm) D. **Weight:** 7.0 lbs (3.15 kg).

25 VOLT SPEAKERS/HORNS

CLARITY OMNI-LOCK SYSTEM MINIMIZES INSTALLATION AND ADJUSTMENT TIME

- Allows the horn to be positioned at any angle required
- Pop-on mounting of the horn to the base

SX15-T, SX15-TM, SX30-T, SX30-TM
SX-SERIES PAGING HORNS



- Weather-resistant for both outdoor and indoor paging applications
- ABS with ultra-violet inhibitors and stainless-steel hardware
- Shatter-resistant mounting base
- Mounts to eight of the most popular electrical boxes
- Nine position selector switch
- Available in beige, gray and white
- Operates on 25/70/100 volt speaker lines

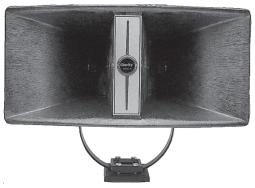
SPECIFICATIONS: 15 watt, 25/70/100 volt transformer.
Taps: 15, 7.5, 3.8, 1.8 and 0.9 watts.
Dimensions: 6.5" (16.5 cm) H x 8.25" (20.96 cm) W x 10.125" (25.72 cm) D.
Weight: 4.0 lbs (1.8 kg).
SPECIFICATIONS: 30 watt, 25/70/100 volt transformer.
Taps: 30, 15, 7.5, 3.8, 1.8 and 0.9 watts.
Dimensions: 7.37" (18.73 cm) H x 10.0" (25.4 cm) W x 11.0" (27.94 cm) D.
Weight: 5.0 lbs (2.25 kg).

S-604-25 ***COMPACT & WATER-PROOF RECESSED OR SURFACE MOUNT***

- 25 volt transformer
- All stainless-steel hardware
- Flexible mounting: recessed & surface
- Available in beige, gray and white

SPECIFICATIONS: 3.5" (8.9cm). **Power Rating:** 4 watts continuous.
Line Transformer: 25 volt Transformer. **Transformer:** TAPS 4, 2, 1, and .5 Watts.
Dimensions: 6.8" (17.3 cm) H x 8.3" (21.1 cm) W x 3.3" (8.4 cm) D.
Weight: 2.8 lbs (1.26 kg).

S-650 ***BI-AXIAL HORN PROVIDES PROFESSIONAL MUSIC AND VOICE PAGING WITH WIDE ANGLE DISPERSION***



- Vibration free foam bell and metal die cast housing
- 7 position selector switch
- Finished in weather-resistant black & gray
- Operates on 70 volt speaker line

SPECIFICATIONS: 30 watt compression driver, 70 volt transformer.
Taps: 30, 15, 7.5, 3.7 and 1.8 watts.
Dimensions: 10.0" (45.72 cm) H x 20.0" (50.8 cm) W x 18.0" (25.4 cm) L.
Weight: 14.8 lbs (6.64 kg).

S-615 ***TRADITIONAL STYLE METAL PAGING HORN***

- Five position switch
- Built-in transformer
- Connects to 25 or 70 volt speaker lines
- Gray epoxy paint, weather-resistant finish

SPECIFICATIONS: 15 watt, 25/70 volt transformer.
Taps: 15, 7.5, 3.8, 1.8 and 0.9 watts.
Dimensions: 8.0" (20.3 cm) H x 8.0" (20.3 cm) W x 9.0" (22.9 cm) D. **Weight:** 4.0 lbs (1.8 kg).

25 VOLT SPEAKERS/HORNS

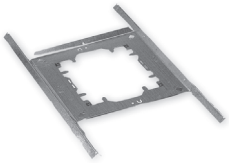
Accessories

V-9915M-5 ***CEILING SPEAKER BACKBOX PREVENTS DEBRIS AND INSULATION FROM CONTACTING THE SPEAKER***

- Sturdy steel construction with four knockouts
- Used in plenum return ceilings, fire retardant dampening material
- Compatible with round or square baffles

SPECIFICATIONS: Dimensions: 12.3 (31.2 cm) Dia. x 4.0" (10.2 cm) H.
Weight: 2.0 lbs (.9 kg).

V-9914M-5 ***CEILING SPEAKER BRIDGE PROVIDES A SOLID MOUNTING STRUCTURE***



- Prevents ceiling tile sag
- Galvanized to inhibit rusting

SPECIFICATIONS:
Dimensions: 3.75" (60.3 cm) L x 14.5" (36.8 m) W x 1.5" (3.8 cm) D.
Weight: 2.0 lbs (.9kg).

S-560 ***20 WATT ATTENUATOR PERMITS ADJUSTMENT OF SPEAKER AND HORN AUDIO LEVELS***

- Stainless-steel plate with raised numbers
- Fits a single gang electrical wall box
- 10 position tap switch
- Operates on 25 or 70 volt speaker lines

SPECIFICATIONS: Attenuation Steps: 0 = Off, 1-2, 6 dB, 3-10, 3 dB. **Dimensions:** 4.5" (11.4 cm) H x 2.75" (6.9 cm) W x 2.25" (5.71 cm) D.
Weight: 1.0 lb (.45 kg).

S-BKT*SPEAKER MOUNTING BRACKET*

Optional mounting bracket for use with the S-700 Monitor Speaker to allow precise positioning
SPECIFICATIONS: Weight: 2.0 lb (.9 kg).

V-CSB-125 ***12" ANALOG CLOCK 18" SPEAKER BAFFLE***
V-CSSB25 ***2.5" DIGITAL CLOCK 18" SPEAKER BAFFLE***
VB-S20 ***SURFACE MOUNT BACKBOX FOR CLOCK/SPEAKER BAFFLE***
VB-R19 ***RECESSED MOUNT BACKBOX FOR CLOCK/SPEAKER BAFFLES***

Clocks not included.

V-1095 ***70 VOLT EXPANDER - EXPAND A 25/70/100 VOLT SYSTEM WITHOUT STRAINING THE EXISTING AMPLIFIER***

- Easily connects to the amplifier output or anywhere on the 25/70/100 volt line
- No costly amplifiers or heavy gauge cable required
- Easily add 150 one-way amplified horns and speakers (per each V-1095)

SPECIFICATIONS: Output Impedance: 8 ohm.
Dimensions: 4.44" (11.28 cm) H x 2.75" (6.98 cm) W x 2.88" (7.32 cm) D.
Weight: 1.1 lb (.50 kg).

AMPLIFIERS

SMA-40 SMA-60 SMA-120

SMA SERIES ***PRO POWER -- PROFESSIONAL POWER MIXER AMPLIFIERS ARE RUGGED, LONG LASTING AND AMERICAN MADE***

- Four balanced microphone or three auxiliary inputs
- Telephone system audio page port input
- Multi-level priority switching
- Voice controlled switching on all inputs
- Mix all inputs or priority input option
- Three levels of protection: thermal, active current limiting, and circuit breaker
- Bass, treble and master gain controls
- On/Off switch
- Tape output
- Booster output
- Effects loop with link switch
- Power "ON" indicator
- Clipping indicator
- Rack mountable with optional mounting kit (SMA-RMK)

SPECIFICATIONS: Power: 40, 60 and 120 watts. **Outputs:** 4 ohm, 25 and 70.7 volts.
Finish: Metallic Charcoal Gray with white graphics.
Dimensions: 3.5" (8.9 cm) H x 17.1" (43.43 cm) W x 12.5" (31.75 cm) D.
Weight: 20.0 lbs (9.0 kg), 24 lbs (10.8 kg).

SMB-200WRK ***WALL/SHELF MOUNT PRO POWER--POWER AMPLIFIER, ROBUST, GREAT SOUNDING, AMERICAN-MADE***

- 200 watt output
- Power on and clipping indicators for each channel
- Volume control for each channel
- Phono jack input connections, screw terminals output connections
- 16 gauge steel enclosure finished in metallic charcoal gray
- High impedance auxiliary inputs
- Rack mountable with optional mounting kit (SMA-RMK)

SPECIFICATIONS: **Number of Channels:** 2 **Power:** 200 watts.
Frequency Response: @ 1 watt, 40 Hz to 20 kHz ± 1 dB. **Finish:** Metallic Charcoal Gray with white graphics.
Dimensions: 3.5" (8.9 cm) H x 17.1" (43.43 cm) W x12.5" (31.75 cm) D.
Weight: 20.0 lbs (9.0 kg), 24 lbs (10.8 kg).

Includes:
Wall or Shelf Mount Transformer Unit.
SPECIFICATIONS: 2 Channel, Dual 100 Watt 25/70/100 volt transformer.
Dimensions: 4.35" (11.1cm) H x 9.74" (25.25cm) W x 6.3" (16.0 cm) D.
Weight: 13.0 lbs (5.85 kg).

SMB-200CRK ***19" RACK MOUNT PRO POWER--POWER AMPLIFIER, ROBUST, GREAT SOUNDING, AMERICAN-MADE***

- 200 watt output
- Power on and clipping indicators for each channel
- Volume control for each channel
- Phono jack input connections, screw terminals output connections
- 16 gauge steel enclosure finished in metallic charcoal gray
- High impedance auxiliary inputs
- Rack mountable with mounting kit (SMA-RMK) included

SPECIFICATIONS: **Number of Channels:** 2 **Power:** 200 watts.
Frequency Response: @ 1 watt, 40 Hz to 20 kHz ± 1 dB. **Finish:** Metallic Charcoal Gray with white graphics.
Dimensions: 3.5" (8.9 cm) H x 17.1" (43.43 cm) W x12.5" (31.75 cm) D.
Weight: 20.0 lbs (9.0 kg), 24 lbs (10.8 kg).

Includes:
Rack Mount Transformer. Uses 3 rack spaces
SPECIFICATIONS: 2 Channel, Dual 100 Watt 25/70/100 volt transformer.
Dimensions: 5.2" (13.2 cm) H x 19.0" (47.5 cm) W x 3.5" (8.9 cm) D.
Weight: 11.0 lbs (4.95 kg).

AMPLIFIERS

SWM-35A, SWM-60A, SWM-100A

SWM-SERIES ***WALL MOUNT AMPLIFIERS BUILT TO MEET THE MOST DEMANDING USER REQUIREMENTS***

- Three balanced microphone or auxiliary inputs
- Telephone audio page port input
- Multi-level priority switching
- Voice controlled switching on all inputs
- Effects loop with link switch
- Booster output
- Screwdriver adjustable volume controls
- Bass and treble controls
- Two built-in tone generators (single and warble tone)
- Mix all inputs or priority input option switch
- Power "ON" indicator
- Clipping indicator
- Triple level output protection: thermal, active current limiting, circuit breaker
- Screw terminals provided for all connections
- Easy, convenient wall mounting

SPECIFICATIONS: Power: 35, 60 and 100 watts. **Outputs:** 4 ohm, 25 and 70.7 volts.
Finish: Black with light texture and white graphics.
Dimensions: 11.5" (29.21 cm) H x 13.25" (33.7 cm) W x 4.32" (10.97 cm) D.
Weight: 16 lbs (7.2 kg), 19 lbs (8.55 kg).

SWM-15

ECONOMICAL UTILITY WALL MOUNT AMPLIFIER FOR VOICE PAGING AND BACKGROUND MUSIC SYSTEMS

- Balanced microphone/telephone audio page port input, high impedance auxiliary input
- Screwdriver adjustable volume controls for each input, bass, treble and master
- Voice operate priority automatic switching and slide switch to choose priority or mix inputs
- Screw terminals are provided for all connections

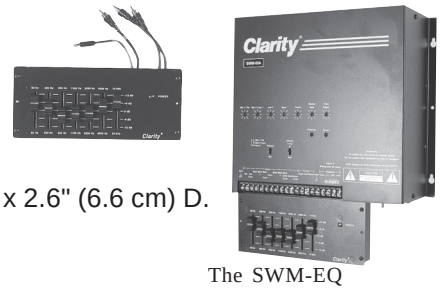
SPECIFICATIONS: Power: 15 watts. **Outputs:** 4-8 ohms, 25 and 70.7 volts.
Finish: Black with light texture and white graphics.
Dimensions: 8.25" (20.96 cm) H x 10.6" (26.8 cm) W x 2.9" (7.37 cm) D.
Weight: 8.0 lbs (3.6 kg).

AMPLIFIERS
Enhancements

SWM-EQ ***SEVEN BAND EQUALIZER MODULE***
(Used with SWM-35A, 60A, and 100A all Mount Amplifiers)

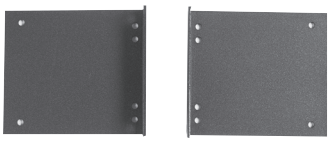
- 7 active filters
- ± 12 dB boost or cut
- Constant Q equalization
- Power "ON" indicator
- Booster output connection
- Modified 1 octave equalization

SPECIFICATIONS: Dimensions: 4.0" (10.2 cm) H x 9.3" (23.6 cm) W x 2.6" (6.6 cm) D.
Weight: 3.0 lbs (1.35 kg).



The SWM-EQ module mounted to the bottom of a SWM-60A.

SMA-RMK ***RACK MOUNT KIT (for SMA & SMB Amplifiers)***



Allows the SMA and SMB Amplifiers to be mounted in a 19 inch equipment cabinet.
SPECIFICATIONS: Dimensions: 3.46" (8.8 cm) H x .95" (2.2cm) W x 3.98" (10.1 cm) D.
Weight: 1.0 lb (.45 kg).

SEQ-1 ***SEVEN BAND EQUALIZER ADJUST SPECIFIC FREQUENCIES TO IMPROVE VOICE INTELLIGIBILITY OR HELP REDUCE FEEDBACK***

- 7 active filters
- ± 12 dB boost or cut
- Power "ON" indicator
- Rocker-type power switch
- Line output
- Modified 1 octave equalization
- High impedance output
- Constant Q equalization
- Bypass switch to remove EQ from circuit (slide type)
- Optional rack mount kit (SEQ-RMK)

SPECIFICATIONS: Hi Impedance: 10 k ohms (unbalanced).
Stereo HIZ: 10 k ohms (unbalanced).
Power Requirements: -24 Vdc, 150 mA.
Dimensions: 3.5" (8.9 cm) H x 8.6" (21.8 cm) W x 5.5" (14.0 cm) D.
Weight: 4.0 lbs (1.80 kg).

MultiPath Valcom
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Roanoke VA 24019

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www.valcom.com/multipath